

# Minnesota Pollution Control Agency SITE INSPECTION PLAN

General	Information			
Site Name Hader Dump	U.S. EPA ID Number	MND981961865		
Address N.E. Corner of Hwy. 52 & Co.	Rd. 8			
CityHader	State MN	Zip_55027		
CountyGoodhue				
Site Representative Ray Schoenfelder	Title Owner	Phone		
Plan Prepared ByShawn Ruotsinoja/B	yron Adams	Date 11-13-87		
Plan Approved By		Date		
Objective (Type of contamination & de	scription of work to be perf	ormed):		
Municipal wastes and other unknown wa	stes have been dumped into a	quarry pond.		
The potential of hazardous waste dump	ing exists as a result of th	ne open-gate		
policy maintained at the site. Soil	boring and sediment collecti	on and analysis		
is needed. Sampling and testing of d	omestic wells and quarry por	nd waters are		
needed to determine impacts to ground water from past dumping events.				
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Estimated Date of Investigation	<u>/87</u>			
Initial Site Investigation Site Investigation Follow-Up				
Preliminary HRS Score of Routes: GW1	.7.27 SW 8.39 Air	<u> </u>		
Total Preliminary HRS Score 11.10				
Projected HRS Score 30.34 (worst case possibility)				
Inspection Priority: Low: Medium: X High:				
Geophysical Data Available: Yes:	No: X			
Explain:	· · · · · · · · · · · · · · · · · · ·	·		
Access Agreement Required: Yes: X	No:			
Site Access arranged by: MPCA staff through Ray Schoenfelder				

#### SITE CHARACTERISTICS

Site/Facility Description (include Drill Rig accessibility)Dirt roads border
east side of site and access along the northern side of site is feasible. A
majority of wastes have been dumped directly into an old quarry pond that has
5-10' of standing water. Bedrock outcrops along the face of quarry, access to
pond is from the north side.
Brief Site History (include past owners) Operated from 1960-73. Proprietor was
Oscar Haugen. Dump was closed in 1975; however, dumping continued until 1985.
Site is presently owned by Ray Schoenfelder.
Site Status (active, inactive) Inactive, except for alleged illegal dumping,
appears to be domestic.
Features of Concern (power lines, public/private utilities, livestock, fences, terrain, etc.) Entrance gate at southeast end. Precaution will need to be
taken in sampling in and around quarry, especially quarry sediment and surface
waters.
Leon Township Site Map Description <u>Aerial TlllN, R17W, Sect. 36/SW½, SW½, SE½</u>
Site Map Date 4-24-73 Bench Mark on map: Yes No X
Closest Bench Mark Location MN DOT, District 6 (Rochester) (507) 285-7392/
County Surveyor (612) 388-8261 Ext. 146.
Bench Mark Elevation
Bench Mark Information Source

### SITE GEOLOGY

Surface Soil Type (sand, clay, bedrock): Silt loam (loessial)over stone					
bedrock (Galena).				<del></del>	
Wetlands or Surfa	ce Waters on	Site (Des	cribe): Dump was once a	quarry. It	
now contains water	r (depth 5-	10') th	at outlets through bedroc	k to the north	
to a tributary of	Belle Creek.				
Subsurface Strati	graphy				
Rock/Soil Type	Thickness	Depth	Saturated/Unsaturated	Contaminated	
Loess silt loam	10'/20-40'		Aquifer in Galena Saturated	?	
Galena DS Decorah Shale		1075			
Platteville LS	60'/20'	1055	No Aquifer	?	
Glenwood Shale St. Peter SS	5'/100'	1050 950	Aquifer - Sat.	?	
Shakopee DS Oneota DS			Aquifer - Sat.	? .	
Primary Aquifer o	f Concern: Ga	lena DS a	and St. Peter S.S.	·	
	,		Recorded Contamination Y	es No X	
			Surface Water Flow Direc		
Ground Water Use in Vicinity: Drinking: X Commercial					
Livestock: X Other:					
Depth to Bedrock: ≥ 10' Depth of Contamination Soil: unknown					
Contamination Type					
Soil (Describe): Wastes dumped directly on soils in old quarry, waste					
characteristics are unknown.					
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Ground Water (Describe): Upper bedrock is karstified and indirect contact with					
quarry water. Contamination of upper bedrock aquifers with dump water is					
likely.					
Surface Water (Describe): A tributary of Belle Creek runs out of quarry and					
could be impacted by dump wastes.					

## Field Work Required

Zone of Contamination Identified. Tes_x No
Contamination Zone Outlined on Site Map: Yes X No
Soil Sampling Required: Yes X No Surface X Subsurface X
Drilling Required: Yes X No
Number of Soil Borings Required:
Boring Locations Identified: Yes No Field Determination X
Estimated Soil Borings Depths: Based on visual evidence of contamination.
Estimated Soil Sampling Intervals: NA
Estimated Number of Soil Samples to be Obtained for Site: 8 to 10
Soil Sampling Fractions: VOA X Semi VOA X
Pest/PCB X Metals/Cyanide X Special Special
Summary of Soil Sampling-Procedures: About 5 to 6 soil/Aquifer samples will be
retained from monitor well borehole drilling operations using a split-spoon
method or recovery of drill cuttings from surface. Organic vapor testing,
odor, visual observations and borehole location will be used to select soil
samples for analysis. Two to three sediment samples will be collected from
quarry pond and outlet tributary using hand sampling methods i.e. scoop and
trowel, hand auger. Analysis will focus on: pesticides, metals, VOC s and
oil and grease (SAS Method 5/023) on quarry pond samples.
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Monitor Wells Required: Yes X No
Monitor Well Diameter: 2 Inch X 4 Inch
Number of Monitor Wells:
Number of Monitor Wells Utilizing Soil Boring Location: 2
Depth to Ground Water: 30'
Well Locations Identified: Yes X No Field Determination X

Well Description Included: Yes	<u>X</u> No	
Water Sampling Fractions: VOA_	X Semi VOA X	
Pest/PCB_X Metals/Cyanide	e X Special X SAS	
Initial Well Development Perform	med by: Contractor X MPCA	
Summary of Sampling Procedures:	About 6 ground water samples will be taken;	
two from installed monitoring w	ells and 4 from residential wells adjacent to	
the dump. Analysis will focus	on: metals, pesticides and VOA's at low	
concentration analysis, methods	5/029 and 5/030.	
	ths 30-40 feet.	
Stainless steel riser and scree	ns - Waters are corrosive!	
Total Number of Soil Samples: 8	-10 Blanks: No	
Total Number of Ground Water Sa	mples: 6 Blanks: 2	
Total Number of Surface Water S		
	No: X Number of Piezometers Needed:	
Site	Investigation Personnel	
Team Member	Responsibility	
Shawn Ruotsinoja	Project Leader	
Byron Adams	Hydrologist	
Meri Lapp	Pollution Control Specialist	
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### Drilling Contractor

Name of Firm: Geotechnical Eng. Corp.	
Address: 1925 Oakcrest Ave., Roseville, MN	
Contact Person Steve Bennett	Phone(612) 636-7744
Distance from MPCA Headquarters to Site: 60	miles
Distance from Drilling Contractor to Site:	60 miles
Working Limitations: Limited to daylight hours,	cold temperatures and snow
cover may limit site access and activities. Mor	nitor for cold stress.
Site Safety Plan Completed: Yes X No	_
Other Comments.	